

Converting Colors

XYZ(42.6253, 57.8908, 44.8771)

Have a look what the booklet for
XYZ(42.6253, 57.8908, 44.8771)
contains.

XYZ(42.6803, 58.0416, 45.0301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.6803, 58.0416,
45.0301)**

Conversions

Conversions Part 1

Format	Color
Hex	8DD9A6
RGB	141, 217, 166
RGB Percent	55%, 85%, 65%
CMY	0.4471, 0.1490, 0.3490
CMYK	0.35, 0.00, 0.24, 0.15
HSL	140°, 50%, 70%
HSV	140°, 35%, 85%
XYZ	42.6803, 58.0416, 45.0301
YIQ	188.4620, -28.9250, -31.9730

Conversions

Conversions Part 2

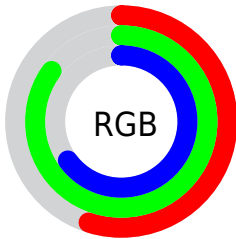
Format	Color
RYB	141, 198, 217
Decimal	9296294
CIELab	80.76, -34.19, 17.82
CIELCh	81, 38.560, 152.471
Yxy	58.0416, 0.2928, 0.3982
Android (android.graphics.Color)	4287486374 (0xFF8DD9A6)
YUV	188.4620, -11.0738, -41.6242
Hunter-Lab	76.1850, -33.3247, 18.2854

Details

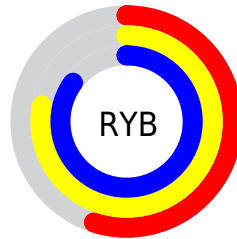
The XYZ color **42.6803, 58.0416, 45.0301** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.6565, 37.6085, 54.6188**, and the grayscale version is **48.1369, 50.6438, 55.1511**.

A 20% lighter version of the original color is **71.8371, 88.6108, 81.7240**, and **19.8881, 29.0818, 20.4847** is the 20% darker color. If you saturate the color by 10%, you get **38.0848, 55.8199, 38.2328**, and if you desaturate by 10%, it is **48.1531, 60.7013, 52.6606**.

Distribution



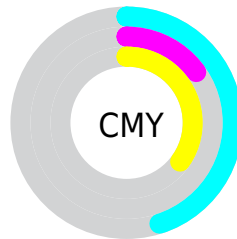
- Red (55%)
- Green (85%)
- Blue (65%)



- Red (55%)
- Yellow (78%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)





- Cyan (45%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6803, 58.0416, 45.0301 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 42.6803, 58.0416, 45.0301 by changing the saturation by 10% instead.


 42.6803, 58.0416,
45.0301


 42.6803, 58.0416,
45.0301


348.2392,
417.3409, 383.0591

 29.8278, 41.8421,
31.1380


 78.4869, 101.9834,
84.0845

 19.8553, 28.9777,
20.4446


 102.1717,
130.4946, 110.0839

 12.3976, 19.0639,
12.5314


130.1980,
163.8783, 140.9562

 7.0892, 11.7165,
6.9797

162.9312,
202.5192, 177.1198

 3.5648, 6.5509,
3.3712

200.7365,
246.8014, 218.9934

 1.4590, 3.1829,
1.2871

243.9794,

 0.2977, 1.2279,

297.1096, 266.9954

0.0512

293.0252,
353.8279, 321.5445

■ 0.0000, 0.0843,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.6803, 58.0416,
45.0301

■ 42.6803, 58.0416,
45.0301

■ 38.0848, 55.8199,
38.2328

■ 48.1531, 60.7013,
52.6606

■ 34.3145, 54.0050,
32.2363

■ 54.5423, 63.8139,
61.1474

■ 31.3189, 52.5733,
27.0119

■ 61.8902, 67.4021,
70.5176

■ 29.0397, 51.4952,
22.5275

■ 70.2351, 71.4852,
80.7959

■ 27.4095, 50.7367,
18.7488

■ 79.6131, 76.0813,
92.0059

■ 26.3471, 50.2568,
15.6383

■ 83.8435, 78.0037,
103.8797

■ 25.9636, 50.0877,
14.3251

■ 84.1039, 78.1079,
105.2513

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3532, 58.0416, 32.9679



42.6803, 58.0416, 45.0301



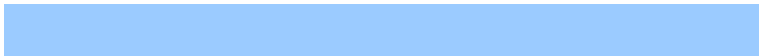
41.2486, 58.0416, 65.1054

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.6803, 58.0416, 45.0301



55.8291, 58.0416, 117.8652



69.1087, 58.0416, 42.4699

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.6803, 58.0416, 45.0301



47.6565, 37.6085, 54.6188

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9090, 58.0416, 61.3271



42.6803, 58.0416, 45.0301



63.7959, 58.0416, 107.8452

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.6803, 58.0416, 45.0301



48.3926, 58.0416, 110.5654



69.8781, 58.0416, 85.6922



62.5454, 58.0416, 31.7587

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.6803, 58.0416, 45.0301



42.2011, 58.0416, 81.4695



69.8781, 58.0416, 85.6922



70.5484, 58.0416, 47.8846

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.6818, 58.0440, 45.0314



82.5888, 93.9092, 93.2650



51.5980, 62.8802, 34.6175



17.3746, 19.9526, 19.5738



0.0000, 0.0000, 0.0000



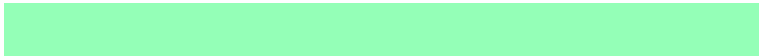
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.6818, 58.0440, 45.0314



56.5154, 81.2309, 57.5710



46.5866, 59.6059, 65.5936



13.0623, 14.6765, 14.7908



15.7599, 30.3366, 8.9008



1.0600, 1.9810, 0.7821

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.6565, 37.6085, 54.6188



64.7021, 47.5636, 73.3213



44.0526, 36.1670, 35.6410



13.4228, 13.1982, 15.4875



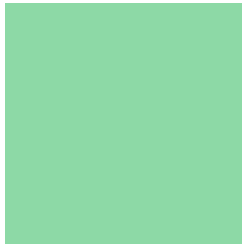
20.4956, 10.1993, 17.5219



1.3669, 0.6764, 1.3412

Previews

White Background



This preview shows how the XYZ color 42.6803, 58.0416, 45.0301 looks on a white background.

Color Contrast Check

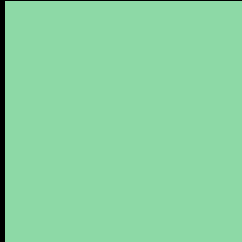
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 42.6803, 58.0416, 45.0301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.6803, 58.0416, 45.0301

Background



This preview shows how black text looks on a background with the XYZ color 42.6803, 58.0416, 45.0301.

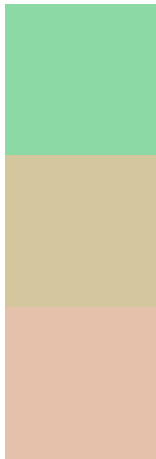


This preview shows how white text looks on a background with the XYZ color 42.6803, 58.0416,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.6803, 58.0416, 45.0301

Protanopia

53.7464, 57.3125, 40.5774

Deuteranopia

58.5134, 57.2976, 46.5036



Tritanopia

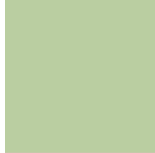
49.6648, 57.8642, 80.5028

Trichromacy



Original Color

42.6803, 58.0416, 45.0301



Protanomaly

48.7540, 57.1549, 42.1806



Deuteranomaly

51.0740, 56.5082, 45.7514



Tritanomaly

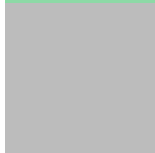
46.8370, 57.8362, 65.8217

Monochromacy



Original Color

42.6803, 58.0416, 45.0301



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.4562, 52.8001, 50.9756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6803, 58.0416, 45.0301 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(141, 217, 166)` looks like.

```
.text, #text, p{  
    color:rgb(141, 217, 166)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(141, 217, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 217, 166) }
```

Border

The CSS property to change the border of an element to XYZ 42.6803, 58.0416, 45.0301 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(141, 217, 166) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(141, 217, 166) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(141, 217, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 217, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 217, 166);  
box-shadow:4px 4px 4px 4px rgb(141, 217,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6803, 58.0416, 45.0301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 217, 166) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(141,  
217, 166) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor